

12-03-01

Practitioner's Docket No. 13176.403

PATENT

Preliminary Classification:

Proposed Class: Unknown

Subclass: Unknown

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Box Patent Application

Assistant Commissioner for Patents

U.S. Patent And Trademark Office

P.O. Box 2327

Arlington, VA 22202

NEW APPLICATION TRANSMITTAL

Transmitted herewith for filing is the patent application of

Inventor(s): Narayan Solayappan; Jolanta Celinska; Vikram Joshi; Carlos A. Paz de Araujo; Larry D. McMillan

For (title): HYDROGEN BARRIER OF STRONTIUM TANTALATE DEPOSITED BY MOCVD TECHNIQUE

1. Type of Application

This transmittal is for an original (nonprovisional) application.

2. Papers Enclosed

A. Required for filing date under 37 C.F.R. 1.53(b) (Regular) or 37 C.F.R. 1.153 (Design) Application

CERTIFICATION UNDER 37 C.F.R. 1.10\*

(Express Mail label number is **mandatory**.)

(Express Mail certification is **optional**.)

I hereby certify that this correspondence and the documents referred to as attached therein are being deposited with the United States Postal Service on this date 11/29/01, in an envelope as "Express Mail Post Office to Addressee," mailing Label Number EV011001174US, addressed to Box Patent Application, Assistant Commissioner for Patents, U.S. Patent And Trademark Office, P.O. Box 2327, Arlington, VA 22202.

Cheryl Martinez

(type or print name of person mailing paper)

Cheryl Martinez  
Signature of person mailing paper

**WARNING:** Certificate of mailing (first class) or facsimile transmission procedures of 37 C.F.R. 1.8 cannot be used to obtain a date of mailing or transmission for this correspondence.

**\*WARNING:** Each paper or fee filed by "Express Mail" **must** have the number of the "Express Mail" mailing label placed thereon prior to mailing. 37 C.F.R. 1.10(b).

"Since the filing of correspondence under §1.10 without the Express Mail mailing label thereon is an oversight that can be avoided by the exercise of reasonable care, requests for waiver of this requirement will **not** be granted on petition." Notice of Oct. 24, 1996, 60 Fed. Reg. 56,439, at 56,442.

30 Page(s) of Specification  
7 Page(s) of Claims  
9 Sheet(s) of Drawing(s)--Formal

**B. Other Papers Enclosed**

3 Page(s) of declaration and power of attorney  
1 Page(s) of abstract

**3. Declaration or Oath**

Enclosed. Executed by inventors.

**4. Language**

English

**5. Assignment**

An assignment of the invention to Symetrix Corporation is enclosed. Also enclosed is Form PTO-1619.

**6. Fee Calculation (37 C.F.R. Section 1.16)**

Regular Application

CLAIMS AS FILED						
Claims	Number Filed	Basic Fee Allowance	Number Extra	Rate	Basic Fee 37 CFR 1.16(a) \$740.00	
Total Claims (37 CFR 1.16(c))	67	- 20 =	47	x	\$18.00	\$846.00
Independent Claims (37 CFR 1.16(b))	6	- 3 =	3	x	\$84.00	\$252.00
Multiple Dependent Claim(s), if any (37 CFR 1.16(d))				+	\$270.00	\$0.00
Filing Fee Calculation						\$1,838.00

**7. Fee Payment Being Made at This Time**

Enclosed

Filing Fee	\$1,838.00
Assignment Recordation Fee (Form PTO-1619 attached)	\$ 40.00
<b>Total Fees Enclosed</b>	<b>\$1,878.00</b>

**8. Method of Payment of Fees**

Charge Account No. 50-1848 in the amount of \$1,878.00. A duplicate of this transmittal is attached.

**9. Authorization to Charge Additional Fees**

The Commissioner is hereby authorized to charge the following additional fees by this paper and during the entire pendency of this application to Account No. 50-1848:

37 C.F.R. Section 1.16(a), (f) or (g) (filing fees)  
37 C.F.R. Section 1.16(b), (c) or (d) (presentation of extra claims)  
37 C.F.R. Section 1.16(e) (surcharge for filing the basic filing fee and/or declaration on a date later than the filing date of the application)  
37 C.F.R. Section 1.17(a)(1)-(5) (extension fees pursuant to SECTION 1.136(a))  
37 C.F.R. Section 1.17 (application processing fees)


**10. Instructions as to Overpayment**

Credit Account No. 50-1848.

Date:

Nov. 29, 2001

Signature of Practitioner



Reg. No.: 28,494  
Tel. No.: 303-379-1114  
Fax No.: 303-379-1155

Carl A. Forest  
**Customer No.: 24283**

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Solayappan, Narayan; Celinska, Jolanta; Joshi, Vikram; Paz de Araujo, Carlos A.;  
and McMillan, Larry D.  
Application No.: Applied For Group No.: Unknown  
Filed: Herewith Examiner: Unknown  
For: HYDROGEN BARRIER OF STRONTIUM TANTALATE DEPOSITED BY MOCVD  
TECHNIQUE

Box Patent Application  
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Arlington, VA 22202

EXPRESS MAIL CERTIFICATE


"Express Mail" Label Number: EV011001174US  
Date of Deposit: 11/29/2001

I hereby state that the following attached papers or fee:

1. New Application Transmittal (2 for a total of 6 pages)
2. Specification (30 pages)
3. Claims (7 pages – 67 claims)
4. Abstract (1 page)
5. Formal Drawings (9 sheets – 14 figures)
6. Combined Declaration And Power Of Attorney (3 pages)
7. Recordation Cover Sheet Form PTO-1619 (3 pages)
8. Assignment Of Invention (2 pages)

are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. Section 1.10, on the date indicated above and is addressed to Box Patent Application, Assistant Commissioner for Patents, U.S. Patent And Trademark Office, P.O. Box 2327, Arlington, VA 22202.

Cheryl Martinez

  
Signature of person mailing papers or fee